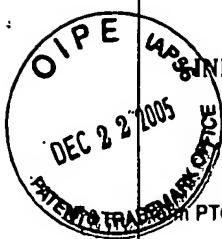


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					016472-0311710	10/761,938	
Form PTO-1449					Applicant(s)	Soneil SHAMS et al.	
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A-T	A	8,990,221	01/24/2006	Shams	382	129	
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A-T	B	GRANJEAUD et al. "From Hybridization Image to Numerical Values: A Practical, High Throughput Quantification System for High Density Filter Hybridizations", <u>Genetic Analysis Biomolecular Engineering</u> , Volume 12, 1996, pages 151-162					
EXAMINER		DATE CONSIDERED					
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EXAMINER Initial if citation considered, whether or not citation is in conformance with MPEP Section 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant							


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IN AN APPLICATION**

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A-T	1A	4,550,084	10/29/1985	Nelson et al.	436	45	
	1B	4,641,528	02/10/1987	Clayland, Jr. et al.	73	597	
	1C	5,121,320	06/09/1992	Aoki et al.	364	413.01	
	1D	5,134,662	07/28/1992	Bacus et al.	382	6	
	1E	5,202,932	04/13/1993	Cambier et al.	382	8	
	1F	5,273,632	12/28/1993	Stockham et al.	204	180.1	
	1G	5,389,792	02/14/1995	DiMarzio et al.	250	370.06	
	1H	5,417,923	05/23/1995	Bojanic et al.	422	101	
	1I	5,541,064	07/30/1996	Bacus et al.	435	6	
	1J	5,552,270	09/03/1996	Khrapko et al.	435	6	
	1K	5,560,811	10/01/1996	Briggs et al.	204	451	
	1L	5,580,728	12/03/1996	Perlin	435	6	
	1M	5,581,631	12/03/1996	Ortyn et al.	382	128	
	1N	5,583,973	12/10/1996	DeLisi et al.	395	120	
	1O	5,680,514	10/21/1997	Shams	395	22	
	1P	5,695,937	12/09/1997	Kinzler et al.	435	6	
	1Q	5,732,277	03/24/1998	Kodosky et al.	395	800	
	1R	5,757,954	05/26/1998	Kuan et al.	382	133	
	1S	5,773,218	06/30/1998	Gallatin et al.	435	6	
	1T	5,777,888	07/07/1998	Rine et al.	364	496	
	1U	5,785,658	07/28/1998	Benaron et al.	600	473	
	1V	5,811,517	09/22/1998	Gallatin et al.	530	350	
↓	1W	5,837,475	11/17/1998	Dorsel et al.	435	7.1	

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	1Z	BIO002 - M. TAIN and A. HERMENT, "Extraction of Heart and Vessel Walls on Ultrasound Images Using Snake-Splines", SPIE, Volume 2434, March 1995, pages 808-816.
	1AA	BIO003 - M. JOLLY, S. LAKSHMANAN and A. JAIN, "Vehicle Segmentation and Classification Using Deformable Templates", IEEE, Volume 18, No. 3, March 1996, pages 293-305.
↓	1BB	BIO004 - Y. AMIT and A. KONG, "Graphical Templates for Model Registration", IEEE, Volume 18, No. 3, March 1996, pages 225-236.

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A-T	2A	5,851,769	12/22/1998	Gray et al.	435	6	
	2B	5,853,979	12/29/1998	Green et al.	435	5	
	2C	5,865,975	02/02/1999	Bishop	204	618	
	2D	5,869,262	02/09/1999	Gallatin et al.	435	7.1	
	2E	5,876,933	03/02/1999	Perlin	435	6	
	2F	5,880,268	03/09/1999	Gallatin et al.	530	387.3	
	2G	5,887,074	03/23/1999	Lai et al.	382	128	
	2H	5,916,747	06/29/1999	Gilchrist et al.	435	6	
	2I	5,945,284	08/31/1999	Livak et al.	435	6	
	2J	5,945,679	08/31/1999	Dorsel et al.	250	458.1	
	2K	5,970,164	10/19/1999	Bamberger et al.	382	128	
	2L	5,980,096	11/09/1999	Thalhammer-Reyero	364	578	
	2M	5,981,190	11/09/1999	Israel	435	6	
	2N	5,989,835	11/23/1999	Dunlay et al.	435	7.2	
	2O	6,040,176	03/21/2000	Gallatin et al.	435	326	
	2P	6,054,270	04/25/2000	Southern	435	6	
	2Q	6,100,383	08/08/2000	Gallatin et al.	530	387.3	
	2R	6,103,479	08/15/2000	Taylor	435	7.2	
	2S	6,127,129	10/03/2000	Corn et al.	435	6	
	2T	6,150,179	11/21/2000	Went	436	173	
	2U	6,185,561	02/06/2001	Balaban et al.	707	6	
	2V	6,207,958	03/27/2001	Giakos	250	385.1	
↓	2W	6,222,093	04/24/2001	Marton et al.	800	3	

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↓	2Y	BIO006 - A. ABRANTES and J. MARQUES, "A Class of Constrained Clustering Algorithms for Object Boundary Extraction", IEEE, Volume 5, No. 11, November 1996, pages 1507-1521.
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↓	2AA	BIO008 - M. KASS, A. WITKIN and D. TERZOPOULOS, "Snakes: Active Contour Models", International Journal of Computer Vision, 1998, pages 321-331.

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A-T	3A	6,223,186	04/24/2001	Rigault et al.	707	104	
	3B	6,226,542	05/01/2001	Reisfeld	600	407	
	3C	6,245,517	06/12/2001	Chen et al.	435	6	
	3D	6,251,601	06/26/2001	Bao et al.	435	6	
	3E	6,263,092	07/17/2001	Roehrig et al.	382	128	
	3F	6,263,287	07/17/2001	Zheng et al.	702	20	
	3G	6,301,378	10/09/2001	Karssemeijer et al.	382	132	
	3H	6,303,301	10/16/2001	Mack	435	6	
	3I	6,308,170	10/23/2001	Balaban	707	3	
	3J	6,341,256	01/22/2002	Deem et al.	702	19	
	3K	6,345,115	02/05/2002	Ramm et al.	382	133	
	3L	6,349,144	02/19/2002	Shams (020,155)	382	129	
	3M	6,362,004	03/26/2002	Noblett	436	43	
	3N	6,362,832	03/26/2002	Stephan et al.	345	629	
	3O	6,381,058	04/30/2002	Ramm et al.	359	242	
	3P	2002/0052882	05/02/2002	Taylor	707	104.1	
	3Q	6,389,428	05/14/2002	Rigault et al.	707	104.1	
	3R	6,441,973	08/27/2002	Ramm et al.	359	778	
	3S	6,453,241	09/17/2002	Bassett, Jr. et al.	702	19	
	3T	6,462,187	10/08/2002	Bandaru	536	23.2	
	3U	6,470,277	10/22/2002	Chin et al.	702	19	
	3V	6,475,736	11/05/2002	Stanton, Jr.	435	6	
↓	3W	6,498,690	12/24/2002	Ramm et al.	359	778	

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↓	3Y	BIO010 - D. SHU, J. NASH, M. ESHAGHIAN and K. KIM, "Straight-Line Detection on a Gated-Connection VLSI Network", <u>P IEEE Comp. Soc.</u> , June 1990, pages 456-461.
↓	3Z	BIO011 - S. SHAMS, "Translation-, Rotation-, Scale-, and Distortion-Invariant Object Recognition Through Self-Organization", <u>International Journal of Neural Systems</u> , Volume 8, No. 2, April 1997, pages 173-179.

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<i>A-T</i>	4A	6,498,863	12/24/2002	Gaidoukewitch <i>et al.</i>	382	173	
	4B	6,537,749	03/25/2003	Kuimelis <i>et al.</i>	435	6	
	4C	6,544,790	04/08/2003	Sabatini	435	455	
	4D	6,553,317	04/22/2003	Lincoln <i>et al.</i>	702	20	
	4E	2003/0100995	05/29/2003	Lorraine <i>et al.</i>	702	19	
	4F	6,577,956	06/10/2003	Shams	702	19	
	4G	6,591,196	07/08/2003	Yakhini <i>et al.</i>	702	28	
	4H	2003/0148295	08/07/2003	Wan <i>et al.</i>	435	6	
	4I	6,632,600	10/14/2003	Short	435	4	
	4J	6,633,659	10/14/2003	Zhou	382	129	
	4K	6,673,549	01/06/2004	Furness <i>et al.</i>	435	6	
	4L	6,674,882	01/06/2004	Shams	382	129	
	4M	6,683,455	01/27/2004	Ebbels <i>et al.</i>	324	309	
	4N	6,690,399	02/10/2004	Carlson <i>et al.</i>	345	771	
	4O	6,714,925	03/30/2004	Barnhill <i>et al.</i>	706	48	
	4P	6,731,781	05/04/2004	Shams <i>et al.</i>	382	129	
	4Q	6,760,715	07/06/2004	Barnhill <i>et al.</i>	706	16	
	4R	6,789,069	09/07/2004	Barnhill <i>et al.</i>	706	12	
	4S	6,839,454	01/04/2005	Park	382	128	

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<i>A-T</i>	4T	BIO012 - Yidong CHEN <i>et al.</i> , "Ratio-Based Decisions and the Quantitative Analysis of cDNA Microarray Images", <u>Journal of Biomedical Optics</u> , Volume 2, No. 4, October 1997, pages 364-374.
	4U	BIO013 - M. S. BOGUSKI and G. D. SCHULER, "Establishing a Human Transcript Map", <u>Nature Genetics</u> , Volume 10, No. 4, 1995, pages 369-371.
	4V	BIO014 - G. D. SCHULER, M. S. BOGUSKI, <i>et al.</i> , "A Gene Map of the Human Genome", <u>Science</u> , Volume 274, Issue 5287, October 25, 1996, pages 540-546.
	4W	BIO015 - M. SCHENA, D. SHALON, R. W. DAVIS, and P. O. BROWN, "Quantitative Monitoring of Gene Expression Patterns with a Complementary DNA Microarray", <u>Science</u> , Volume 270, No. 5235, October 20, 1995, pages 467-470.

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	5D	BIO019 - LEMIEUX, AHARONI, and SCHENA, "Overview of DNA Chip Technology", <u>Molecular Breeding</u> , 1998, pages 277-289.				
	5E	BIO020 - SCHENA, HELLER, THERIAULT, KONRAD, LACHENMEIER, and DAVIS, "Microarrays: Biotechnology's Discovery Platform for Functional Genomics", <u>Tibtech</u> , Volume 16, July 1998, pages 301-306.				
	5F	BIO021 - HELLER, SCHENA, CHAI, SHALON, BEDILION, GILMORE, WOOLLEY, and DAVIS, "Discovery and Analysis of Inflammatory Disease-Related genes using cDNA Microarrays", <u>Proc. Natl. Acad. Sci. USA</u> , Volume 94, March 1997, pages 2150-2155.				
	5G	BIO022 - SCHENA and DAVIS, "Parallel Analysis with Biological Chips", <u>PCR Methods Manual</u> , pages 445-455.				
	5H	BIO023 - SCHENA and DAVIS, <u>DNA Microarray Protocols</u> , 19 pages.				
	5I	BIO024 - ArrayIt, "Micro-Spotting Device for a Broad Range of Microarray Manufacturing Applications", <u>Chip Maker 2 Handbook</u> , June 1, 1998, 8 pages.				
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	6F	BIO033 - R. ADAMS and L. BISCHOF, "Seeded Region Growing", <u>IEEE Transactions on Pattern Analysis and Machine Intelligence</u> , Vol. 16, No. 6, June 1994, pages 641-647.
	6G	BIO034 - I. H. WITTEN and E. FRANK, "Data Mining, Practical Machine Learning Tools and Techniques with Java Implementations", Morgan Kaufmann Publishers, 2000.
	6H	BIO035 - DeRISI et al., "Exploring the Metabolic and Genetic Control of Gene Expression on a Genomic Scale", <u>Science</u> , Volume 278, October 24, 1997, pages 680-686.
	6I	BIO036 - FUREY et al., "Support Vector Machine Classification and Validation of Cancer Tissue Samples Using Microarray Expression Data", <u>Bioinformatics</u> , Volume 16, No. 10, 2000, pages 906-914.
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<i>V</i>	6K	BIO040 - 60/306,033, 2 pages.
	6L	BIO041 - 60/276,947, 1 page.

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	7B	BIO043 - "G2 Real Time Expert System, GDA and Neur-on-line", Gensym Corporation, 1995, 5 pages.
	7C	BIO044 - "Gensym Corporation Announces G2 Classic 5.2", Gensym Corporation, Article 4202, Volume 41, Issue 1, July 3, 2001, 4 pages.
	7D	BIO045 - "The ArrayExpress Database", European Bioinformatics Institute, August 2000, 2 pages.
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	7H	BIO049 - YOUNG, Lynn, et al., "Microarray Analysis Using P-SCAN and F-SCAN", <u>International Genome Sequencing and Analysis Conference</u> , No. 12, September 2000, page 105.
	7I	BIO050 - SAEED, Alexander, et al., "Data Visualization and Analysis Tools for High Density Microarrays", <u>International Genome Sequencing and Analysis Conference</u> , No. 12, September 2000, page 105.
	7J	BIO051 - SAMARTZIDOU, Hrissi, et al., "MicroArray ScoreCard: An Integrated Analysis Tool for Evaluating Data Quality in Microarray Experiments", <u>International Genome Sequencing and Analysis Conference</u> , No. 12, September 2000, pages 107-108.
	7K	BIO052 - KUKLIN, A., et al., "High Throughput Screening of Gene Expression Signatures", <u>Genetica</u> , Volume 108, 2000, BioDiscovery Inc., pages 41-46.
✓	7L	BIO053 - Pankaj PRAKASH, Ph.D., and Bruce HOFF, Ph.D., "Application Note GS10: Microarray Gene Expression Data Mining with Cluster Analysis using GeneSight," BioDiscovery, Inc., 2002, 6 pages.

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		January 21, 2004 2625	

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*EXAMINER INITIAL	REF	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

REF	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translations	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

A-T	8A	BIO054 - SAS Procedure FASTCLUS, "SAS/STAT 9.1 User's Guide," SAS Institute Inc., 2004, available at http://support.sas.com/documentation/onlinedoc/91pdf/index_913.html#base
	8B	BIO055 - Javier HERRERO, Alfonso VALENCIA and Joaquín DOPAZO, "A Hierarchical Unsupervised Growing Neural Network for Clustering Gene Expression Patterns," <u>Bioinformatics</u> , vol. 17, no. 2, pp. 126-136, Oxford University Press, 2001, available at http://bioinformatics.oupjournals.org/cgi/reprint/17/2/126
	8C	BIO056 - Michael B. EISEN, Paul T. SPELLMAN, Patrick O. BROWN, and David BOTSTEIN, "Cluster Analysis and Display of Genome-Wide Expression Patterns," <u>Proc. Natl. Acad. Sci. USA</u> , Vol. 95, December 1998, pp. 14863-14868, available at http://www.pnas.org/cgi/content/full/95/25/14863
	8D	BIO057 - "GeneSight Users Manual," Version 1.3b, BioDiscovery, Inc., 1999, 46 pages.
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	8H	BIO061 - "GeneSight Users Manual," Version 3.5, BioDiscovery, Inc., September 3, 2002
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EXAMINER	DATE CONSIDERED
<i>A-T</i>	<i>7/30/06</i>
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.	

INFORMATION DISCLOSURE CITATION IN AN APPLICATION	Docket Number	Application Number
	016472-0311710	10/761,938
	Applicant(s)	
	Soheil SHAMS <i>et al.</i>	
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						YES	NO

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A - T	9A	BIO069 - http://www.stratagene.com/products/displayProduct.aspx?pid=527 , 7 pages.
	9B	BIO070 - Michael EISEN, ScanAlyze User Manual, copyright 1998-9 by Stanford University, printed from http://rana.lbl.gov/manuals/ScanAlyzeDoc.pdf , 27 pages.
	9C	BIO071 - T. M. HOUTS, "Improved 2-Color 'Exponential' Normalization for Microarray Analyses Employing Cyanine Dyes", In S. Lin, editor, <i>Proceedings of CAMDA 2000, "Critical Assessment of Techniques for Microarray Data Mining"</i> , December 18-19, Durham, NC, 2000, Duke University Medical Center, 1 page.
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	9E	BIO073 - KERR <i>et al.</i> , "Analysis of Variance for Gene Expression Microarray Data", <i>Journal of Computational Biology</i> , Volume 7, 2000, pages 819-837 (pages 1-24 in the reference provided).
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	9G	Non-Final Office Action mailed August 17, 2004 in U.S. Application No. 10/256,101, 11 pages.
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✓	9I	Non-Final Office Action mailed November 4, 2005 in U.S. Application No. 10/256,101, 13 pages.

EXAMINER	DATE CONSIDERED
<i>A-Tahatai</i>	3/30/06

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